

**Notice of Allowability**

Application No.

10/750,259

Examiner

Edward Raymond

Applicant(s)

SCHOENBORN, THEODORE Z.

Art Unit

2857

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to RCE filed 7/24/06.
2. ☒ The allowed claim(s) is/are 1-4, 6-19, 24-27 and 29-32.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |  |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)  | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)                                  |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date <u>20060729</u> . |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment  |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material          | 8. <input type="checkbox"/> Examiner's Statement of Reasons for Allowance                                    |
|   | 9. <input type="checkbox"/> Other _____  |

## DETAILED ACTION

### EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Alan Aldous on July 29, 2001.

The application has been amended as follows:

Replace the text of **claim 1** with the following text:

"1. A chip comprising: transmitters to provide transmit signals to chip interfaces, wherein the chip interfaces are to make the transmit signals available external to the chip; voltage control circuitry to control voltages of the transmit signals; receivers to receive external signals from another chip, wherein the external signals include looped back signals of at least portions of the transmit signals and are provided by the other chip to the receivers; and evaluation circuitry to determine whether the transmit signals were usable by the other chip based on an evaluation of at least one of the received external signals and to provide a usability indicating signal to the voltage control circuitry indicative of whether the transmit signals were usable by the other chip and wherein the evaluation circuitry compares at least portions of the looped back signals to at least partial representations of the transmit signals.

Replace the text of **claim 15** with the following text:

"15. A chip comprising: a transmitter to provide a transmit signal to at least one chip interface, wherein each of the chip interfaces is to make the transmit signal available external to the chip; voltage control circuitry to control a voltage of the transmit signal; a receiver to receive an external signal from another chip, wherein the external signals include looped back signals of at least portions of the transmit signals and are provided by the second chip to the receivers; and evaluation circuitry to determine whether the transmit signal was usable by the other chip based on an evaluation of the received external signal and to provide a usability indicating signal to the voltage control circuitry indicative of whether the transmit signal was usable by the other chip and wherein the evaluation circuitry compares at least portions of the looped back signals to at least partial representations of the transmit signals.

Replace the text of **claim 24** with the following text:

"24. A system comprising: first and second interconnects; first and second chips coupled by the first and second interconnects; wherein the first chip includes: transmitters to provide transmit signals to first interconnects; voltage control circuitry to control voltages of the transmit signals; receivers to receive external signals from the second chip, wherein the external signals include looped back signals of at least portions of the transmit signals and are provided by the second chip to the receivers; and evaluation circuitry to determine whether the transmit signals were usable by the second chip based on an evaluation of at least one of the received external signals and to provide a usability indicating signal to the voltage control circuitry indicative of whether the transmit signals were usable by the second chip and wherein the evaluation

circuitry compares at least portions of the looped back signals to at least partial representations of the transmit signals.”

**Claims 5 and 28** are cancelled.

***Allowable Subject Matter***

2. **Claims 1-4, 6-19, 24-27 and 29-32** are allowed.

***Contact Information***

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Edward Raymond whose telephone number is 571-272-2221. The examiner can normally be reached on M-F 8:30-5PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Marc Hoff can be reached on 571-272-2216. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

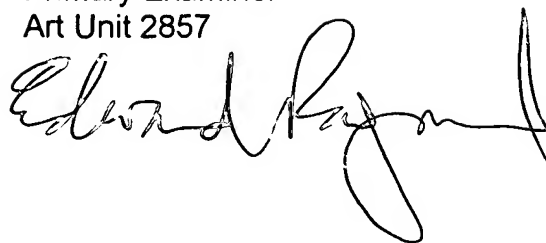
Edward Raymond

Application/Control Number: 10/750,259

Page 5

Art Unit: 2857

Primary Examiner  
Art Unit 2857

A handwritten signature in black ink, appearing to read "Edward R. Ryan". The signature is fluid and cursive, with a large loop at the end.

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